

**Notice of Allowability**

Application No.

09/662,991

Examiner

Carl Colin

Applicant(s)

KUSKIN ET AL.

Art Unit

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**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on 10/23/2006.
2. ☒ The allowed claim(s) is/are 1-18.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

NASSER MOAZZAMI  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100

12/15/06

### **DETAILED ACTION**

1. In response to the amendment filed on 10/23/2006, claims 1-18 are presented for examination.

#### ***Response to Arguments***

2. Applicant's arguments, see pages 10-13, filed on 10/23/2006, with respect to claims 1-18 have been fully considered and are persuasive as amended. The rejection of claims 1-18 has been withdrawn. The claims have been amended as discussed in an interview held on 10/19/2006 to explicitly recite an acknowledgement signal is established wherein the packet is resent after a latency period in the absence of an acknowledgement signal for the packet, and within the latency period, the source address and the key are stored as new entry in the cache to prepare the cache within the latency period for decrypting the packet subsequently re-sent by the external source.

#### ***Reasons for Allowance***

3. The following is an examiner's statement of reasons for allowance:

The prior art of record US Patent 6,026,167 to Aziz teaches a key management scheme and discloses if the key is not included in the cache, the value of the key is determined and cached for later use. However, Aziz fails to teach retrieval of the key information from outside the cache within the latency period to prepare the cache for decryption of the packet, the latency period being the time when the packet is resent after a latency period in the absence of an

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acknowledgement signal for the packet. The prior art of record US Patent 5,930,472 to Smith teaches a wireless communication system comprising sending to the wireless client a response from a server to an earlier request originated by the client the response contains a placeholder for an additional data element needed to complete the response. The prior arts of record, fail to teach singly or in combination establishing an acknowledgement signal with an external source wherein the packet is resent after a latency period in the absence of an acknowledgement signal for the packet... and storing the source address and the key as new entry in the cache to prepare the cache within the latency period for decrypting the packet subsequently re-sent by the external source as recited in independent claims 1, 7, and 13.

Consequently claims 1, 7, and 13 are allowable over the prior arts of record. Claims 2-6, 8-12, and 14-18 are directly or indirectly dependent upon claims 1, 7, and 13 respectively and therefore are also allowable over the prior arts of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Carl Colin whose telephone number is 571-272-3862. The examiner can normally be reached on Monday through Thursday, 8:00-6:30 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nasser G. Moazzami can be reached on 571-272-4195. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

cc

Carl Colin  
Patent Examiner  
December 14, 2006

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12/15/06